

ABSTRACT OF THE DISCLOSURE

A mask (MM) with patterns (MF) for use in a reflection lithography device with a  
5 photon beam with a wavelength of less than about 120 nm. Said mask (MM) comprises a  
planar substrate (ST) fixed to a reflecting structure (SMR) comprising a front face provided  
with selected patterns (MF) made from a material which is absorbent at the given wavelength  
and further comprises protection means (SP) which are transparent to the given wavelength and  
arranged such as to maintain a distance (H) between the perturbing particles (PP) and the  
10 patterns (MF) greater than or equal to one of the values of the depth of focus of the lithographic  
device and the height associated with the percentage of photon absorption by the perturbing  
particles (PP) which is acceptable.

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